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**Part II**

**Included papers**



# SUPEROPTIMIZATION OF WEBASSEMBLY BYTECODE

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**Javier Cabrera-Arteaga**, Shrinish Donde, Jian Gu, Orestis Floros, Lucas Satabin, Benoit Baudry, Martin Monperrus

*Conference Companion of the 4th International Conference on Art, Science, and Engineering of Programming (Programming 2021), MoreVMs*

<https://doi.org/10.1145/3397537.3397567>

# CROW: CODE DIVERSIFICATION FOR WEBASSEMBLY

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**Javier Cabrera-Arteaga**, Orestis Floros, Oscar Vera-Pérez, Benoit Baudry, Martin Monperrus  
*Network and Distributed System Security Symposium (NDSS 2021), MADWeb*

<https://doi.org/10.14722/madweb.2021.23004>

# MULTI-VARIANT EXECUTION AT THE EDGE

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**Javier Cabrera-Arteaga**, Pierre Laperdrix, Martin Monperrus, Benoit Baudry  
*Conference on Computer and Communications Security (CCS 2022),  
Moving Target Defense (MTD)*

<https://dl.acm.org/doi/abs/10.1145/3560828.3564007>

# WEBASSEMBLY DIVERSIFICATION FOR MALWARE EVASION

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**Javier Cabrera-Arteaga**, Tim Toady, Martin Monperrus, Benoit Baudry  
*Computers & Security, Volume 131, 2023*

<https://www.sciencedirect.com/science/article/pii/S0167404823002067>

# WASM- MUTATE: FAST AND EFFECTIVE BINARY DIVERSIFICATION FOR WEBASSEMBLY

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**Javier Cabrera-Arteaga**, Nick Fitzgerald, Martin Monperrus, Benoit  
Baudry  
*Under revision*



# SCALABLE COMPARISON OF JAVASCRIPT V8 BYTECODE TRACES

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**Javier Cabrera-Arteaga**, Martin Monperrus, Benoit Baudry  
*11th ACM SIGPLAN International Workshop on Virtual Machines and  
Intermediate Languages (SPLASH 2019)*

<https://doi.org/10.1145/3358504.3361228>